

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2005/000199

A. CLASSIFICATION OF SUBJECT MATTER
C12N15/10 C12P21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C12N C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CAB Data, Sequence Search, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/083427 A (NUEVOLUTION A/S; FRANCH, THOMAS; JACOBSEN, SOEREN, NYBOE; RASMUSSEN, T) 30 September 2004 (2004-09-30) claims 130-136; figures 11-16	1-178
P,X	WO 2004/056994 A (GOULIAEV ALEX HAAHR ; FRANCH THOMAS (DK); HOLTMANN ANETTE (DK); NUEVOL) 8 July 2004 (2004-07-08) claims 1-117; figures 1-37	1-178
A	WO 2004/013070 A (NUEVOLUTION A/S; PEDERSEN, HENRIK) 12 February 2004 (2004-02-12) the whole document	1-178
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

13 January 2006

Date of mailing of the international search report

23/01/2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hornig, H

INTERNATIONAL SEARCH REPORT

International Application No
PCT/ DK2005/000199

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/078625 A (NUEVOLUTION A/S; PEDERSEN, HENRIK; HOLTMANN, ANETTE; FRANCH, THOMAS; G) 25 September 2003 (2003-09-25) the whole document	1-178
A	WO 02/103008 A (GOUILAEV ALEX HAAHR ; NOERREGAARD-MADSEN MADS (DK); SLOEK FRANK ABILGA) 27 December 2002 (2002-12-27) cited in the application claims 1,77,78,104-132; figures 5-7	1-178
A	WO 2004/016767 A (HARVARD COLLEGE) 26 February 2004 (2004-02-26) cited in the application claims 1-103; figures 9,30-32,52-54,59,61	1-178
A	WO 02/074929 A (KANAN MATTEW W; GARTNER ZEV J ; LIU DAVID R (US); HARVARD COLLEGE (US)) 26 September 2002 (2002-09-26) cited in the application the whole document	1-178
A	WO 00/61775 A (SERGEEV, PAVEL) 19 October 2000 (2000-10-19) the whole document	1-178
A	WO 00/23458 A (UNIV LELAND STANFORD JUNIOR) 27 April 2000 (2000-04-27) cited in the application the whole document	1-178

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/JP2005/000199

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 2004083427	A	30-09-2004	EP	1608748 A2	28-12-2005
WO 2004056994	A	08-07-2004	AU	2003291964 A1	14-07-2004
WO 2004013070	A	12-02-2004	AU	2003247266 A1	23-02-2004
			EP	1539980 A2	15-06-2005
WO 03078625	A	25-09-2003	AU	2003214031 A1	29-09-2003
			JP	2005521365 T	14-07-2005
WO 02103008	A	27-12-2002	CA	2451524 A1	27-12-2002
			CN	1539014 A	20-10-2004
			EP	1402024 A2	31-03-2004
			JP	2004535193 T	25-11-2004
WO 2004016767	A	26-02-2004	AU	2003263937 A1	03-03-2004
			CA	2495881 A1	29-02-2004
			EP	1540013 A2	15-06-2005
			JP	2005536234 T	02-12-2005
WO 02074929	A	26-09-2002	CA	2441820 A1	26-09-2002
			EP	1423400 A2	02-06-2004
			JP	2004536162 T	02-12-2004
			US	2003113738 A1	19-06-2003
			US	2005233381 A1	20-10-2005
			US	2005227281 A1	13-10-2005
			US	2005025766 A1	03-02-2005
			US	2005042669 A1	24-02-2005
			US	2005142583 A1	30-06-2005
WO 0061775	A	19-10-2000	AU	2951599 A	14-11-2000
			CA	2403209 A1	19-10-2000
			EP	1208219 A1	29-05-2002
			US	2003104389 A1	05-06-2003
WO 0023458	A	27-04-2000	AU	1318400 A	08-05-2000
			CA	2346989 A1	27-04-2000
			EP	1123305 A1	16-08-2001